



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Glaucia PARANHOS-BACCALA et al.

Group Art Unit: 1648

Application No.: 09/319,156

Examiner: J. Parkin

Filed: November 2, 1999

Docket No.: 103514

For: RETROVIRAL NUCLEIC MATERIAL AND NUCLEOTIDE FRAGMENTS, IN PARTICULAR ASSOCIATED WITH MULTIPLE SCLEROSIS AND/OR RHEUMATOID ARTHRITIS, FOR DIAGNOSTIC, PROPHYLACTIC AND THERAPEUTIC USES

AMENDMENT

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In reply to the December 26, 2002 Office Action, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 3-6, 10-12 and 18-24 without prejudice to or disclaimer of the subject matter contained therein.

Please replace claims 1, 2, 7-9, 13-17, 25 and 26 as follows:

1 (Twice Amended) An isolated polynucleotide, comprising a nucleic acid having a nucleotide sequence selected from the group consisting of:

(i) sequences SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 9, SEQ ID NO: 12, SEQ ID NO: 16, SEQ ID NO: 21, SEQ ID NO: 30 and SEQ ID NO: 31;

(ii) sequences complementary to sequences (i); and

(iii) sequences having, for every series of 100 contiguous monomers, at least 50% identity with sequences (i) or (ii).

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equal  
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**PATENT APPLICATION**

Attorney Docket No.: 103514

**AMENDMENT TRANSMITTAL**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- ☐ Entitlement to small entity status is hereby asserted.  
☐ Small entity status of this application has been established.

The filing fee has been calculated as shown below:

	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL CLAIMS	*50 MINUS	**26	=24
INDEP CLAIMS	*13 MINUS	***14	=0
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY	
RATE	ADD'L FEE
x 9	\$
x 42	\$
+ 140	\$
	\$

OTHER THAN A SMALL ENTITY	
RATE	ADD'L FEE
x 18	\$ 432.00
x 84	\$
+ 280	\$
	\$ 432.00

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- \* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.  
\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

- ☒ Check No. 143563 in the amount of \$432.00 is attached. The Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

William P. Berridge  
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H. James Voeller  
Registration No. 48,015